Section 1. Registration Information

Source Identification

Facility Name:	Abbott Nutrition Division, Casa Grande
Parent Company #1 Name:	Abbott Laboratories, Inc.
Parent Company #2 Name:	

Submission and Acceptance

Submission Type:	Re-submission
Subsequent RMP Submission Reason:	Voluntary update (not described by any of the above reasons)
Description:	
Receipt Date:	12-Apr-2013
Postmark Date:	12-Apr-2013
Next Due Date:	12-Apr-2018
Completeness Check Date:	12-Apr-2013
Complete RMP:	Yes
De-Registration / Closed Reason:	
De-Registration / Closed Reason Other Text:	
De-Registered / Closed Date:	
De-Registered / Closed Effective Date:	
Certification Received:	Yes

Facility Identification

EPA Facility Identifier:	1000 0013 2215
Other EPA Systems Facility ID:	85222RSSLB1250

Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	121457485
Parent Company #1 DUNS:	1307602
Parent Company #2 DUNS:	

Facility Location Address

Street 1:	1250 West Maricopa Highway
Street 2:	
City:	Casa Grande
State:	ARIZONA
ZIP:	85193
ZIP4:	
County:	PINAL

Facility Latitude and Longitude

Latitude (decimal):	32.888111
Longitude (decimal):	-111.786139
Lat/Long Method:	GPS - Unspecified
Lat/Long Description:	Plant Entrance (General)
Horizontal Accuracy Measure:	5
Horizontal Reference Datum Name:	World Geodetic System of 1984
Source Map Scale Number:	

Owner or Operator

Operator Name:	Abbott Laboratories, Inc.
Operator Phone:	(520) 421-6600

Mailing Address

Operator Street 1:	1250 West Maricopa Highway
Operator Street 2:	
Operator City:	Casa Grande
Operator State:	ARIZONA
Operator ZIP:	85193
Operator ZIP4:	
Operator Foreign State or Province:	
Operator Foreign ZIP:	
Operator Foreign Country:	

Name and title of person or position responsible for Part 68 (RMP) Implementation

RMP Name of Person:	Enrique Porras Serrano
RMP Title of Person or Position:	Plant Manager
RMP E-mail Address:	enrique.porras@abbott.com

Emergency Contact

Emergency Contact Name:	Vella Strickland
Emergency Contact Title:	Environmental, Health, & Safety Mgr
Emergency Contact Phone:	(520) 421-6294
Emergency Contact 24-Hour Phone:	(520) 421-6600
Emergency Contact Ext. or PIN:	
Emergency Contact E-mail Address:	vella.strickland@abbott.com

Other Points of Contact

Facility or Parent Company E-mail Address:	
Facility Public Contact Phone:	
Facility or Parent Company WWW Homepage Address:	www.abbott.com

Local Emergency Planning Committee

LEPC:	Pinal County LEPC

Full Time Equivalent Employees

Number of Full Time Employees (FTE) on Site:	450
FTE Claimed as CBI:	

Covered By

OSHA PSM :	Yes
EPCRA 302 :	Yes
CAA Title V:	

Air Operating Permit ID:

OSHA Ranking

OSHA Star or Merit Ranking:

Last Safety Inspection

Last Safety Inspection (By an External Agency) Date:	25-Feb-2013
Last Safety Inspection Performed By an External Agency:	EPA

Predictive Filing

Did this RMP involve predictive filing?:

Preparer Information

Preparer Name:
Preparer Phone:
Preparer Street 1:
Preparer Street 2:
Preparer City:
Preparer State:
Preparer ZIP:
Preparer ZIP4:
Preparer Foreign State:
Preparer Foreign Country:
Preparer Foreign ZIP:

Confidential Business Information (CBI)

CBI Claimed:
Substantiation Provided:
Unsanitized RMP Provided:

Reportable Accidents

Reportable Accidents:	See Section 6. Accident History below to determine if there were any accidents reported for this RMP.

Process Chemicals

Process ID:	1000041293
Description:	Refrigeration System
Process Chemical ID:	1000049542
Program Level:	Program Level 3 process
Chemical Name:	Ammonia (anhydrous)
CAS Number:	7664-41-7
Quantity (lbs):	13500
CBI Claimed:	
Flammable/Toxic:	Toxic

Process NAICS

Process ID:	1000041293
Process NAICS ID:	1000041698
Program Level:	Program Level 3 process
NAICS Code:	311514
NAICS Description:	Dry, Condensed, and Evaporated Dairy Product Manufacturing

Section 2. Toxics: Worst Case

Toxic Worst ID: 1000034041

Percent Weight:	
Physical State:	Gas liquified by pressure
Model Used:	Phast
Release Duration (mins):	10
Wind Speed (m/sec):	1.5
Atmospheric Stability Class:	F
Topography:	Rural

Passive Mitigation Considered

Dikes:	
Enclosures:	
Berms:	
Drains:	
Sumps:	
Other Type:	

Section 3. Toxics: Alternative Release

Toxic Alter ID: 1000035993

Percent Weight:	
Physical State:	Gas liquified by pressure
Model Used:	Phast
Wind Speed (m/sec):	3.0
Atmospheric Stability Class:	D
Topography:	Rural

Passive Mitigation Considered

Dikes:	
Enclosures:	
Berms:	
Drains:	
Sumps:	
Other Type:	

Active Mitigation Considered

Sprinkler System:	
Deluge System:	
Water Curtain:	
Neutralization:	
Excess Flow Valve:	Yes
Flares:	
Scrubbers:	
Emergency Shutdown:	Yes
Other Type:	Ammonia Spill Kit

Section 4. Flammables: Worst Case

No records found.

Section 5. Flammables: Alternative Release

No records found.

Section 6. Accident History

Accident History ID: 1000028020

Date of Accident:	05-Aug-2009
Time Accident Began (HHMM):	0604
NAICS Code of Process Involved:	311514
NAICS Description:	Dry, Condensed, and Evaporated Dairy Product Manufacturing
Release Duration:	008 Hours 00 Minutes

Release Event

Gas Release:	Yes
Liquid Spill/Evaporation:	
Fire:	
Explosion:	
Uncontrolled/Runaway Reaction:	

Release Source

Storage Vessel:	
Piping:	
Process Vessel:	
Transfer Hose:	
Valve:	Yes
Pump:	
Joint:	
Other Release Source:	

Weather Conditions at the Time of Event

Wind Speed:	5.0
Units:	miles/h
Direction:	S
Temperature:	95
Atmospheric Stability Class:	B
Precipitation Present:	
Unknown Weather Conditions:	

On-Site Impacts

Employee or Contractor Deaths:	0
Public Responder Deaths:	0
Public Deaths:	0
Employee or Contractor Injuries:	0
Public Responder Injuries:	0
Public Injuries:	0
On-Site Property Damage ($):	0

Known Off-Site Impacts

Deaths:	0
Hospitalization:	0
Other Medical Treatments:	0

Evacuated:	0
Sheltered-in-Place:	0
Off-Site Property Damage ($):	0

Environmental Damage

Fish or Animal Kills:	
Tree, Lawn, Shrub, or Crop Damage:	
Water Contamination:	
Soil Contamination:	
Other Environmental Damage:	None

Initiating Event

Initiating Event:	Equipment Failure

Contributing Factors

Equipment Failure:	Yes
Human Error:	
Improper Procedures:	
Overpressurization:	
Upset Condition:	
By-Pass Condition:	
Maintenance Activity/Inactivity:	
Process Design Failure:	
Unsuitable Equipment:	
Unusual Weather Condition:	
Management Error:	
Other Contributing Factor:	

Off-Site Responders Notified

Off-Site Responders Notified:	Notified Only

Changes Introduced as a Result of the Accident

Improved or Upgraded Equipment:	Yes
Revised Maintenance:	Yes
Revised Training:	Yes
Revised Operating Procedures:	Yes
New Process Controls:	Yes
New Mitigation Systems:	
Revised Emergency Response Plan:	Yes
Changed Process:	Yes
Reduced Inventory:	
None:	
Other Changes Introduced:	

Confidential Business Information

CBI Claimed:	

Chemicals in Accident History

Accident Chemical ID:	1000021830
Quantity Released (lbs):	1150
Percent Weight:	100.0
Chemical Name:	Ammonia (anhydrous)
CAS Number:	7664-41-7
Flammable/Toxic:	Toxic

Section 7. Program Level 3

Description

Ammonia, used as a refrigerant in a sealed refrigeration system, is the only USEPA Risk Management Program (RMP) regulated chemical present at the facility. This section describes the prevention program for this system.

Program Level 3 Prevention Program Chemicals

Prevention Program Chemical ID:	1000042533
Chemical Name:	Ammonia (anhydrous)
Flammable/Toxic:	Toxic
CAS Number:	7664-41-7
Prevention Program Level 3 ID:	1000036024
NAICS Code:	311514

Safety Information

Safety Review Date (The date on which the safety information was last reviewed or revised):	31-Aug-2012

Process Hazard Analysis (PHA)

PHA Completion Date (Date of last PHA or PHA update):	07-Dec-2009

The Technique Used

What If:	
Checklist:	
What If/Checklist:	
HAZOP:	Yes
Failure Mode and Effects Analysis:	
Fault Tree Analysis:	
Other Technique Used:	
PHA Change Completion Date (The expected or actual date of completion of all changes resulting from last PHA or PHA update):	31-Dec-2009

Major Hazards Identified

Toxic Release:	Yes
Fire:	
Explosion:	
Runaway Reaction:	
Polymerization:	
Overpressurization:	Yes
Corrosion:	Yes
Overfilling:	
Contamination:	
Equipment Failure:	Yes
Loss of Cooling, Heating, Electricity, Instrument Air:	
Earthquake:	

Floods (Flood Plain):	
Tornado:	
Hurricanes:	
Other Major Hazard Identified:	

Process Controls in Use

Vents:	Yes
Relief Valves:	Yes
Check Valves:	Yes
Scrubbers:	
Flares:	
Manual Shutoffs:	Yes
Automatic Shutoffs:	Yes
Interlocks:	Yes
Alarms and Procedures:	Yes
Keyed Bypass:	Yes
Emergency Air Supply:	
Emergency Power:	
Backup Pump:	
Grounding Equipment:	Yes
Inhibitor Addition:	
Rupture Disks:	
Excess Flow Device:	Yes
Quench System:	
Purge System:	Yes
None:	
Other Process Control in Use:	

Mitigation Systems in Use

Sprinkler System:	Yes
Dikes:	
Fire Walls:	Yes
Blast Walls:	
Deluge System:	
Water Curtain:	Yes
Enclosure:	Yes
Neutralization:	
None:	
Other Mitigation System in Use:	Ammonia Spill Kits

Monitoring/Detection Systems in Use

Process Area Detectors:	Yes
Perimeter Monitors:	
None:	
Other Monitoring/Detection System in Use:	

Changes Since Last PHA Update

Reduction in Chemical Inventory:	
Increase in Chemical Inventory:	
Change Process Parameters:	
Installation of Process Controls:	

Installation of Process Detection Systems:	Yes
Installation of Perimeter Monitoring Systems:	
Installation of Mitigation Systems:	
None Recommended:	
None:	
Other Changes Since Last PHA or PHA Update:	

Review of Operating Procedures

Operating Procedures Revision Date (The date of the most recent review or revision of operating procedures):	31-Aug-2012

Training

Training Revision Date (The date of the most recent review or revision of training programs):	07-Dec-2012

The Type of Training Provided

Classroom:	
On the Job:	Yes
Other Training:	Computer Based Training

The Type of Competency Testing Used

Written Tests:	Yes
Oral Tests:	
Demonstration:	Yes
Observation:	
Other Type of Competency Testing Used:	

Maintenance

Maintenance Procedures Revision Date (The date of the most recent review or revision of maintenance procedures):	25-Sep-2009
Equipment Inspection Date (The date of the most recent equipment inspection or test):	31-Aug-2012
Equipment Tested (Equipment most recently inspected or tested):	Frick Compressor

Management of Change

Change Management Date (The date of the most recent change that triggered management of change procedures):	10-Nov-2009
Change Management Revision Date (The date of the most recent review or revision of management of change procedures):	15-Mar-2013

Pre-Startup Review

Pre-Startup Review Date (The date of the most recent pre-startup review):	03-Dec-2009

Compliance Audits

Compliance Audit Date (The date of the most recent compliance audit):	22-Feb-2011
Compliance Audit Change Completion Date (Expected or actual date of completion of all changes resulting from the compliance audit):	29-Jul-2011

Incident Investigation

Incident Investigation Date (The date of the most recent incident investigation (if any)):	05-Aug-2009
Incident Investigation Change Date (The expected or actual date of completion of all changes resulting from the investigation):	31-Mar-2010

Employee Participation Plans

Participation Plan Revision Date (The date of the most recent review or revision of employee participation plans):	15-Mar-2013

Hot Work Permit Procedures

Hot Work permit Review Date (The date of the most recent review or revision of hot work permit procedures):	18-Jan-2013

Contractor Safety Procedures

Contractor Safety Procedures Review Date (The date of the most recent review or revision of contractor safety procedures):	18-Jan-2013
Contractor Safety Performance Evaluation Date (The date of the most recent review or revision of contractor safety performance):	28-Oct-2012

Confidential Business Information

CBI Claimed:

Section 8. Program Level 2

Section 9. Emergency Response

Written Emergency Response (ER) Plan

Community Plan (Is facility included in written community emergency response plan?):	Yes
Facility Plan (Does facility have its own written emergency response plan?):	Yes
Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?):	Yes
Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?):	Yes
Healthcare (Does facility's ER plan include information on emergency health care?):	Yes

Emergency Response Review

Review Date (Date of most recent review or update of facility's ER plan):	25-Sep-2012

Emergency Response Training

Training Date (Date of most recent review or update of facility's employees):	22-Mar-2013

Local Agency

Agency Name (Name of local agency with which the facility ER plan or response activities are coordinated):	Pinal County LEPC, Casa Grande Fire
Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated):	(520) 868-6415

Subject to

OSHA Regulations at 29 CFR 1910.38:	Yes
OSHA Regulations at 29 CFR 1910.120:	Yes
Clean Water Regulations at 40 CFR 112:	Yes
RCRA Regulations at CFR 264, 265, and 279.52:	Yes
OPA 90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254:	Yes
State EPCRA Rules or Laws:	Yes
Other (Specify):	

Executive Summary

a) Accidental Release Prevention & Emergency Response Policies

Abbott is a global healthcare company, and has a global environmental, health, and safety policy applicable to all operations. The policy requires that all operations maintain a safe and healthy workplace and environment and comply with all applicable laws designed to protect human health, safety and the environment.

b) Facility Description & Regulated Substances Handled

The Abbott Laboratories-Casa Grande Facility is located at 1250 West Maricopa Highway in Casa Grande, Arizona. The facility manufactures milk-based infant formulas and adult medical nutritional products. Ammonia, used as a refrigerant, is the only USEPA Risk Management Program (RMP) regulated chemical present at the facility. The ammonia refrigeration system is subject to both the Occupational Safety and Health Administration (OSHA) and the USEPA RMP Process Safety Management (PSM) regulatory programs.

The ammonia is contained within a refrigeration system that is used to cool raw materials and products in the facility. The ammonia refrigeration system is a sealed, closed-loop system that refrigerates water which is then pumped into the manufacturing area of the facility where it is used to cool tanks and other equipment. The ammonia never comes into contact with the cooling water. The ammonia refrigeration system employs state-of-the-art design and includes safety features, such as ammonia leak detectors and alarms.

c) General Accidental Release Prevention Program & Chemical-Specific Prevention Steps

The facility has an active safety and spill prevention program that incorporates the latest ammonia refrigeration system management technologies, including detailed operational procedures, preventive maintenance practices, and worker training. Emergency response procedures at the facility incorporate both internal (Abbott) and external (Casa Grande and Pinal County) resources and emergency response services. The ammonia refrigeration system workforce is highly trained and experienced in both managing the system and in responding to any contingency. The facility's Emergency Response Team (Abbott-ERT) is trained to OSHA's "Hazardous Materials Technician" level and is available 24-hours a day onsite. The ammonia refrigeration system operators are very familiar with the system, and are also trained ammonia incident emergency responders. Both the Abbott-ERT and the ammonia system operators are trained to use specialized ammonia incident response equipment to mitigate any accidental release of ammonia, and will immediately respond to any ammonia system emergency.

The ammonia refrigeration system has an active preventive maintenance program that inspects and maintains the equipment at regular intervals to prevent breakdown. A certified ammonia system contractor performs a complete inspection and preventive maintenance program on each of the ammonia system compressors annually. All ammonia refrigeration system controls, leak sensors, and alarms are included in the preventive maintenance program. The ammonia refrigeration system's pressure safety relief valves are replaced every 5-years, and are located throughout the ammonia refrigeration system to prevent the rupture of the containment system should abnormal pressures develop. Pressure safety relief valves are directed into a common exhaust pipeline that contains an ammonia detector and alarm that promptly alerts the facility of any abnormal ammonia refrigeration system events.

The ammonia refrigeration system undergoes formalized process hazard analyses and audits on a regular frequency to assure compliance with relevant process safety regulations. Process Hazard Analyses (PHA's) were conducted on the ammonia system in 1999, 2004, and 2009. Abbott is a concerned citizen of the community and we are proud of our safety and environmental compliance program. Our careful operation of the ammonia refrigeration system is an integral part of these efforts.

d) Five-year Accident History

The facility has had only one (1) accidental release of ammonia to the atmosphere within the past 5-years. This event occurred on August 5, 2009 and involved the release of approximately 1,150 pounds of ammonia to the atmosphere over an 8-hour period. No one offsite or onsite were injured from the release.

e) Emergency Response Program

The ammonia refrigeration system is equipped with a leak detection system that alerts the facility of any ammonia leaks so that they can be promptly fixed. The facility maintains self-contained breathing apparatus for ammonia leak or adverse event response. Access to the ammonia refrigeration system is controlled, and only trained and experienced operators or maintenance personnel are allowed access to the system.

Emergency response procedures at the facility incorporate both internal (Abbott) and external (Casa Grande and Pinal County) resources and emergency response services. The ammonia refrigeration system workforce is highly trained and experienced in both managing the system and in responding to any contingency. The Abbott-ERT is trained to OSHA's "Hazardous Materials Technician" level and is available 24-hours a day onsite. The ammonia refrigeration system operators are very familiar with the system, and are also trained ammonia incident emergency responders. Both the Abbott-ERT and the ammonia system operators are trained to use specialized ammonia incident response equipment to mitigate any accidental release of ammonia, and will immediately respond to any ammonia system emergency.

f) Planned Changes to Improve Safety

Abbott regularly examines its safety and chemical release prevention programs for improvement. Any identified improvements are implemented as soon as practical. No changes to these programs are planned at this time.